·			16n	
	Application No.	Applicant(s)		
Notice of Allowability	09/839,254 Examiner	HILLIARD, DONALD BENNETT Art Unit		
	Leith A Al-Nazer	2828		
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RICO of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this ago or other appropriate communication GHTS. This application is subject	oplication. If not includent will be mailed in due	ed course. THIS	
1. X This communication is responsive to <u>amendment filed on 28</u>	<u>8 May 2004</u> .			
2. X The allowed claim(s) is/are 22-25,27-34 and 36-45.				
3. $igotimes$ The drawings filed on <u>20 April 2001</u> are accepted by the Ex	aminer.			
 4. Acknowledgment is made of a claim for foreign priority under a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	been received. been received in Application No		tion from the	
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONMETHIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives	ited. Note the attached EXAMINEF s reason(s) why the oath or declar	R'S AMENDMENT or Nation is deficient.	OTICE OF	
6. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.			
(a) 🔲 including changes required by the Notice of Draftsperso	on's Patent Drawing Review (PTO	9-948) attached		
1) ☐ hereto or 2) ☐ to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the	Office action of		
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the	34(c)) should be written on the draw e header according to 37 CFR 1.121	ings in the front (not the (d).	back) of	
 DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F 			Note the	
Attachment(s) 1. ⊠ Notice of References Cited (PTO-892)	5 Nation of Information	Dotont Application /DT	2.452)	
Notice of References Cited (P10-892) Notice of Draftperson's Patent Drawing Review (PTO-948)	 5. ☐ Notice of Informal I 6. ☐ Interview Summary 	, ,	J-152)	
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit 	Paper No./Mail Da 3), 7. ☐ Examiner's Amend	Paper No./Mail Date 7. ☐ Examiner's Amendment/Comment 8. ☒ Examiner's Statement of Reasons for Allowance		
of Biological Material	9. Other	ent of Reasons for Allo	wance	
\bigcap				
Don Wong Supervisory Paterit Ex	kaminer			
U.S. Patent and Trademark Office Technology Center	2800 ice of Allowability	Part of Paper No./N		

DETAILED ACTION

Allowable Subject Matter

1. Claims 22-25, 27-34, and 36-45 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach or suggest some of the limitations found in independent claims 22, 44, and 45. With respect to independent claims 22 and 44, Baer fails to teach or suggest the reflective coating on the surface of revolution having at least one hundred thin film dielectric layers, the layers having alternating refractive indices, the alternating refractive indices differing by less than 0.1, and the coating providing greatest reflectance to the radiation at a preferred angle-of-incidence. With respect to claim 45, Baer fails to teach or suggest a multilayer dielectric reflector deposited on the surface of revolution, the reflector defining an optical cavity, and the reflector having an angle-dependence so that the lasing cavity modes are substantially limited to radiation that intersects the coupling structure. Therefore, independent claims 22, 44, and 45, as well as all dependent claims, are allowable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2828

Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leith A Al-Nazer whose telephone number is 571-272-1938. The examiner can normally be reached on Monday-Friday 7:30am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LA ·

DonWong
DonWong
Supervisory Patent Examiner
Technology Center 2800